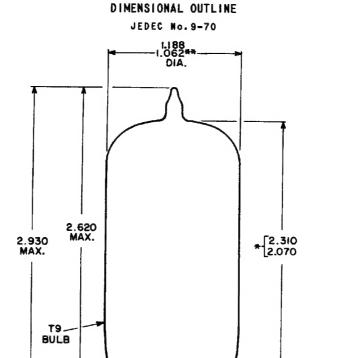
# **Sharp-Cutoff Pentode**

<u> </u>	FRAME-GRID CONSTRUCTION  9-PIN LARGE-BUTTON NEONOVAL BASE  For Video Output Amplifier Service	Ξ				
in Color TV Receivers						
Electrical:						
	Heater Characteristics and Ratings:  Heater-section arrangement Series Parallel Voltage (AC or DC)12.6±1.3ª 6.3±0.6 volts Current0.260 0.520b amp Maximum heater-cathode voltage: Heater negative with respect to cathode. Heater positive with respect to cathode:	0				
, <del>-</del> - ,	Peak	S				
	Output: P to $(K,G3+IS,G2,H)$ 4.4					
	Mechanical:					
	Operating Position	,				
	Pin 1 - Cathode Pin 2 - Grid No.1 Pin 3 - Grid No.3, Internal Shield Pin 4 - Heater Pin 5 - Heater Pin 6 - Heater Tap Pin 7 - Plate Pin 8 - Grid No.2 Pin 9 - Grid No.3, Internal Shield					
	Characteristics, Class A <sub>1</sub> Amplifier:  Plate Supply Voltage					
	Plate Current					

# 12HG7

Grid-No.2 Current	4.8	ma	
for plate $\mu a = 100$	<b>-4.</b> 5	volts	_
CLASS A AMPLIFIER			
•			
Maximum Ratings, Design-Maximum Values:			
		volts	
Grid-No.2 (Screen-Grid) Supply Voltage			
Grid-No.2 Voltage See Grid-No.2 Input	Ratir	ig Chart	
at front of Receiving	lube	Section	
Grid-No.1 (Control-Grid) Voltage:	_	-1	
Positive-bias value	0	volts	
For grid—No.2 voltages up to 165 volts	1	watt	
For grid—No.2 voltages between	1	wall	
165 and 330 volts See Grid-No.2 Input	Datis	or Chart	
at front of Receiving	Tube	Section	
Plate Dissipation			
		wa cco	
Maximum Circuit Values:			
Grid-No.1-Circuit Resistance:			
For fixed-bias operation	0.1	megohm	
	0.25		
8			
At heater amperes = 0.260.  At heater volts = 6.3.			
c Without external shield.			
without external Shiero.			

DATA I



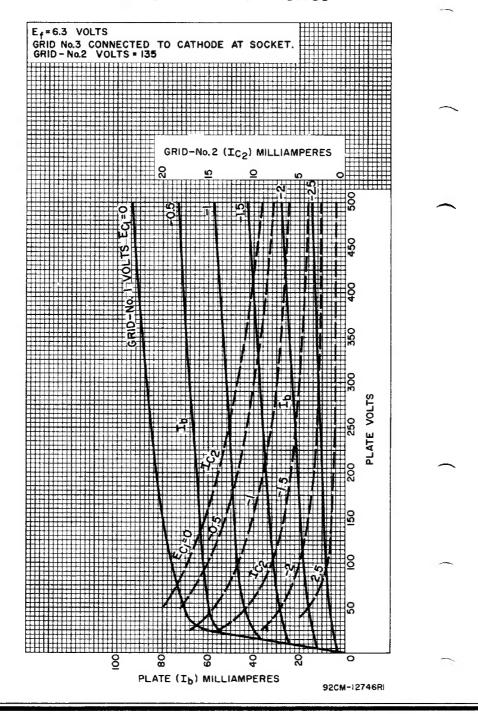
#### DIMENSIONS IN INCHES

JEDEC No. E9-68

92CS-IIII5R2

- \*\* Applies in zone starting 0.375" from base seat.
- \* Measured from base seat to bulb-top line as determined by a ring gauge of 0.600" inside diameter.

### **AVERAGE CHARACTERISTICS**



DATA 2

## **AVERAGE CHARACTERISTICS**

